

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/001532

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C02F3/00 F01D17/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C02F F01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 435 167 B1 (FLEDERSBACHER PETER ET AL) 20 August 2002 (2002-08-20) column 5, line 28 - line 42; figure 2 -----	1, 3, 4
Y	EP 1 217 214 A (INGERSOLL RAND EUROP SALES LTD) 26 June 2002 (2002-06-26) column 2, line 5 - column 3, line 10 -----	1, 3
Y	US 2001/018026 A1 (STEWART MATTHEW J ET AL) 30 August 2001 (2001-08-30) page 1, paragraph 2 page 2, paragraph 12 ----- -/-	1, 3

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

7 September 2004

Date of mailing of the international search report

20/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	J. APPLEBAUM ET AL.: "Aeration of Fishponds by Photovoltaic Power" PROGRESS IN PHOTOVOLTAICS. RESEARCH AND APPLICATIONS., vol. 9, no. 4, 2001, pages 295-301, XP002295322 GBJOHN WILEY AND SONS, CHICHESTER. abstract; figure 3	1, 4
A	WO 02/086324 A (ELLIOTT TURBO ; GRBIC MILOVAN R (US); HILL M RAYMOND (US)) 31 October 2002 (2002-10-31) the whole document	1-4

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 5
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 5

Lack of technical features

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6435167	B1	20-08-2002	DE	19956896 C1	29-03-2001
EP 1217214	A	26-06-2002	GB	2370320 A	26-06-2002
			BR	0106245 A	13-08-2002
			CA	2364640 A1	21-06-2002
			CN	1367317 A	04-09-2002
			EP	1217214 A2	26-06-2002
			US	2002079764 A1	27-06-2002
US 2001018026	A1	30-08-2001	CA	2301415 A1	19-10-2000
			EP	1046786 A2	25-10-2000
			JP	2000329096 A	28-11-2000
WO 02086324	A	31-10-2002	EP	1390618 A2	25-02-2004
			WO	02086324 A2	31-10-2002
			US	2002192089 A1	19-12-2002